

ABSTRACT

5 A software system with a two tier arrangement
for threads support that enhances the adaptability of
a virtual machine to differing platforms. The
software system includes a virtual machine with a
threads interface layer having a set of methods that
provide thread support in the virtual machine
according to a standard threads interface associated
with the virtual machine. The software system
10 includes a native threads interface layer that
provides a set of methods that adapt the methods of
the threads interface layer to a platform which
underlies the software system. The native threads
interface layer shields the virtual machine from the
15 particulars of the underlying operating system while
the threads interface layer provides a stable
interface for application programs and other tasks
that benefit from thread support in the virtual
machine.